

PATENT  
ATTORNEY DOCKET NO.: 040879-5094

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
**BOX PATENT APPLICATION**  
Washington, D.C. 20231

**TRANSMITTAL FOR A NEWLY EXECUTED ORIGINAL APPLICATION  
UNDER 37 C.F.R. §1.53(b)**

This is a request for filing a patent application under 37 C.F.R. §1.53(b) for:

Inventors: **Stanford W. CRANE, Jr., Myoung-soo JEON, Charley Takeshi OGATA,  
Ton-Yong WANG, Andreas CANGELLARIS and Jose SCHUTT-AINE**

For: **SEMICONDUCTOR DIE PACKAGE HAVING MESH POWER  
AND GROUND PLANES**

1. This is a new ☒ **Utility** ☐ **Design** ☐ **Plant** patent application.
2. The papers enclosed to obtain a filing date are as follows:  
45 Pages of Specification including  
1 Title Page  
9 Pages of Claims  
1 Page of Abstract  
24 Sheets of drawings containing 24 Figures
3. Combined Declaration and Power of Attorney  
☒ Enclosed is a First Combined Declaration and Power of Attorney (signed by Inventors Crane, Jeon, Ogata, and Wang).  
☒ Enclosed is a Second Combined Declaration and Power of Attorney (signed by Inventors Cangellaris and Schutt-Aine).

4. Language

- ☒ English  
☐ Non-English

This application is being filed in accordance with 37 C.F.R. §1.52(d) and §608.01 of the MPEP. Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the verified English translation and the processing fee.

5. Assignment

☒ An assignment of the invention to Silicon Bandwidth, Inc. by Inventors Crane, Jeon, Ogata and Wang and a PTO-Form-1595, Recordation Form Cover Sheet, are enclosed.

☒ An assignment of the invention to Silicon Bandwidth, Inc. by Inventors Cangellaris and Schutt-Aine and a PTO-Form-1595, Recordation Form Cover Sheet, are enclosed.

6. Priority - foreign applications under 35 U.S.C. §119(a)-(d) or §365(b) or PCT international applications under 35 U.S.C. §365(a) designating at least one country other than the U.S.

☐ Priority of the following foreign application is claimed:

Country	Application No.	Filed

Certified copy: ☐ is attached. ☐ will follow.

7. Priority based on provisional application(s) - 35 U.S.C. §119(e)

☒ Priority of the following provisional application(s) is claimed:

Application No.	Filed
60/270,635	February 23, 2001

☐ Amend the specification by inserting before the first line the sentence:  
"This application claims priority of copending provisional application(s)  
No. \_\_\_\_\_ filed on \_\_\_\_\_."

8. Small entity status

☐ Small entity status under 37 C.F.R. §§1.9 and 1.27 is asserted for the present application.

9. Fee Calculation (37 C.F.R. §1.16)

CLAIMS FOR FEE CALCULATION				
	Number Filed	Number Extra	at Rate of	Basic Fee Utility \$710.00 Design \$320.00
Total Claims (37 C.F.R. §1.16(c))	30	30 - 20 = 10	\$ 18.00 each =	\$ 180.00
Independent Claims (37 C.F.R. §1.16(b))	5	5 - 3 = 2	\$ 80.00 each =	\$ 160.00
Multiple dependent claim(s), if any (37 C.F.R. §1.16(d))			\$270.00	+
SUB-TOTAL =				\$1050.00
Reduction by 1/2 for filing by a small entity				- \$ 00.00
TOTAL FILING FEE =				\$1050.00

10. Fee Payment

☐ Not Enclosed. **NO FEE IS BEING PAID BY CHECK OR DEPOSIT ACCOUNT AT THIS TIME.**  
This application is being filed under the provisions of 37 C.F.R. §1.53(f).  
Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the Declaration and paying the filing fees.

☒ **The Commissioner is hereby authorized to charge \$1050 [representing application fee, 25 dependent claims, 5 independent claims = 30 total claims (\$710+\$180+\$160)=\$1050] to Deposit Account No. 50-0310 and any additional extension of time fee or additional fee for claims due to Deposit Account No. 50-0310.**

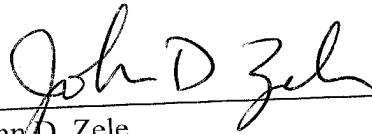
11. ☒ **Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. §1.136(a)(3).

12. Additional papers enclosed:
- ☐ Information Disclosure Statement
  - ☐ Form PTO-1449, \_\_\_\_\_ documents included
  - ☐ Declaration of Biological Deposit
  - ☐ Submission of "Sequence Listing", computer readable copy and/or amendment  
pertaining thereto for biotechnology invention containing nucleotide and/or amino  
acid sequence.

**Please accord this application an application number and filing date.**

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

  
\_\_\_\_\_  
John D. Zele  
Reg. No. 39,887

Dated: May 31, 2001

**Customer No. 009629**  
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PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

06/01/2001 MAHME1 00000048 09867438

01 FC:101	710.00 CH
02 FC:102	160.00 CH
03 FC:103	180.00 CH